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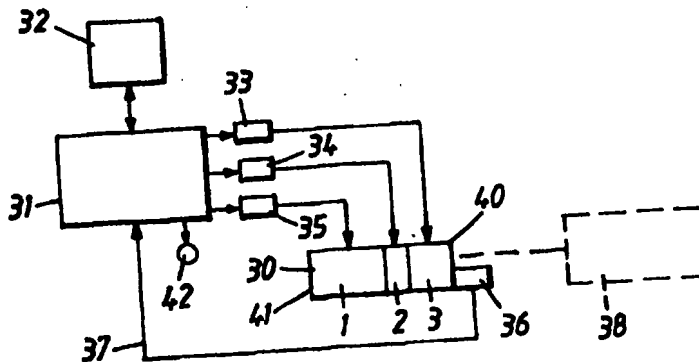
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(54) Title: METHOD OF OPTIMIZING THE OPERATION POINTS OF LASERS AND MEANS FOR CARRYING OUT THE METHOD

(57) Abstract

A method of optimising the operation point of a laser, comprising characterising the laser and controlling the different laser sections. The invention is characterized by controlling the different laser sections (1, 2, 3) by varying the current injected into respective sections; causing the laser (30) to be sensed with respect to discontinuities occurring at mode jumps in a signal from a detection device firmly connected to the laser; effecting the control of the different laser sections (1, 2, 3) by means of a control unit (31); delivering different control combinations and the signal delivered from the detection device to the control unit (31); causing the control unit to detect the mode plane of the laser (30); storing at least a part of a mode plane or several mode planes in a memory (32) belonging to the control unit (31); and causing the control unit (31) to control different laser sections (1, 2, 3) such that the laser will obtain the desired operation point.



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